State of California State Water Resources Control Board

DIVISION OF WATER RIGHTS

P.O. Box 2000, Sacramento, CA 95812-2000

Info: (916) 341-5300, FAX: (916) 341-5400, Web: http://www.waterrights.ca.gov

PETITION FOR CHANGE ZUU9 APR - 3 AM 8: 32

(WATER CODE 1700)

Application	Point of Diversion, X Point of Rediversion, Jicen	ersion, X Place of Use, X Purpose of Use seStatement or Other	R		
		William Control of the Control of th			
Point of Diversion (40-acre subdivision Present	(we) hereby petition for change(s) noted above and shown on the accompanying map and described as follows: Point of Diversion or Rediversion (Give coordinate distances from section corner or other ties as allowed by Cal CR 715, and the 40-acre subdivision in which the present & proposed points lie.) PresentSee Attachment.				
	See Attachment.	1 111 1 10			
	gation then state number of acres to be irriga				
Proposed	See Attachment.				
Purpose of Use	see Actacimient.				
	See Attachment.				
	See Attachment.				
		nds habitat, fish and wildlife resources, or recreation in or on the			
water (See V	VC 1707)? No (yes/no)	Attachment.			
	D POINT OF DIVERSION OR PLACE OF BE USED FOR Irrigation, Municipal, I	F USE BE ABANDONED?No	S.		
		he proposed place of use by virtue of ? See Attachment. (ownership, lease verbal or written agreem old point of return flow and the new point of return flow? N/A. See Attachment. (yes/no)			
If by lease or agreem	ent, state the name and address of party(s)				
proposed point of div	version or rediversion, as well as any other p	eam between the present point of diversion or rediversion and the erson(s) known to you who may be affected by the proposed change.	10.00		
		AMOUNT OF THE APPROPRIATION OR SEASON OF USE. I correct to the best of my (our) knowledge and belief. Grass Valley , California	a		
Bace	Sili-	E20 272 (10F			
1 mil	Signature(s)	530-273-6185 Telephone No.	1137		
		ate Water Resources Control Board and a \$850 fee			
		d Game must accompany a petition for change.			

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demands and cut your energy costs, see our web-site at:

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Attachment to Petition for Change Permit 13770 (Application 5193) held by Nevada Irrigation District

GENERAL

Permit 13770 is for storage of water from the Middle Fork of the Yuba River for consumptive use purposes within Nevada Irrigation District (NID). The purpose of this Petition for Change (Petition) to NID's Permit 13770 is to identify NID's existing facilities where water will be used, diverted and rediverted, and to conform the places of use and purposes of use with NID's other water rights. For Permit 13770, this involves (1) adding Municipal, Industrial, and Incidental Power uses; (2) changing "Incidental Domestic" to "Domestic" use, (3) modifying the places of use, and (4) adding points of rediversion, as identified further below. NID is also filing a Petition for Extension of Time for Permit 13770 to cover the year of maximum beneficial use.

NID has been working cooperatively with the Division of Water Rights (Division) since July 2002 to analyze the use of water and inspect the facilities associated with the following Permits for determining whether licenses should be issued.

Permit	Application
1481	1614
11626	2652B
13770	5193
5815	8180
13772	20017

All of the above five (5) Permits are for consumptive uses. There are also five (5) associated Permits for power purposes, which are currently being reviewed and analyzed for potential licensing. Collectively, these Permits and most of the associated facilities are referred to as NID's Lower Division. The Lower Division primarily encompasses NID's sources of water and facilities located downstream of Spaulding Reservoir. Permits 5815 and 13770 cover sources and facilities upstream of Spaulding Reservoir, but the storage and use of water is downstream of Spaulding Reservoir, so they were included with the Lower Division.

In 1991, licenses were issued on many Permits held by NID for sources of water upstream of Spaulding Reservoir, referred to as the Upper Division. The water rights for the sources of water in the Upper Division include facilities throughout NID, including the Lower Division. This is an important point because all of the facilities downstream of Spaulding Reservoir are authorized facilities pursuant to the Upper Division water rights.

As a result of the extensive and detailed analysis undertaken for the Lower Division, changes or corrections to the Lower Division Permits are required and/or recommended to conform with NID's current facilities and operations. In addition, NID has identified additional changes to the aforementioned Permits, including Permit 13770, over and above those changes

recommended by Division staff in order to more accurately describe historic and current facilities and operations.

POINT OF DIVERSION OR REDIVERSION

Present and Proposed Points of Diversion

No change in the present points of diversion identified in Permit 13770 is proposed and no additional points of diversion are proposed to be added. The following is a description of the present points of diversion using the California Coordinate System in place of the descriptions originally used in Permit 13770. The descriptions for these points of diversion were obtained by NID staff using GPS equipment and referenced by index # to NID's Map No. 4365, dated May 22, 1987, on file with the Division and shown on NID's Map No. 5305, accompanying this Petition. No change in the location has occurred, simply a different system for describing the location, as requested by Division staff.

Point of Diversion	Map No. 4365 & Map No. 5305 Index #	Description ¹
Jackson Meadows Dam	1	N 2,314,590 E 6,969,062 SW'4 of SE'4 of Sec. 18, T19N, R13E
Milton Diversion Dam	2	N 2,319,440 E 6,961,462 SW¼ of SW¼ of Sec. 12, T19N, R12E

Present and Proposed Points of Rediversion

The present points of rediversion are identified in the following table and described using the California Coordinate System in place of the descriptions originally used in Permit 13770. Also identified are proposed points of rediversion. These points reflect existing facilities, where the permitted supplies have been rediverted, but which are not set forth in the Permit. This list contains all of the present and proposed points of rediversion. All points represent existing facilities and no facilities are proposed to be constructed. The descriptions for these points of rediversion were obtained by NID staff using GPS equipment and are referenced by index # to NID's Map No. 4365, dated May 22, 1987, on file with the Division and shown on NID's Map No. 5305, accompanying this Petition.

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April 3, 2009

All coordinates are CCS, Zone 2, NAD 83 Datum. All section descriptions are MDB&M.

Point of Rediversion	Map No. 4365 & Map No. 5305 Index #	Present PORD or Proposed PORD	Description ¹
Mitlon Diversion Dam	2	Present	N 2,319,440 E 6,961,462 SW¼ of SW¼ of Sec. 12, T19N, R12E
Bowman Dam	msust (7	Present	N 2,292,689 E 6,941,661 SE¼ of SW¼ of Sec. 5, T18N, R12E
Bowman-Spaulding Conduit (BSC) Diversion Dam	8	Proposed ²	N 2,291,789 E 6,941,661 NE¼ of NW¼ of Sec. 8, T18N, R12E
Fuller Dam	14	Proposed ²	N 2,254,499 E 6,943,344 NW¼ of NE¼ of Sec. 17, T17N, R12E
Spaulding Dam	15	Present	N 2,247,689 E 6,945,562 SE¼ of NE¼ of Sec. 20, T17N, R12E
Bear River System		The state of the s	全国企业等的主任企业
Drum Afterbay Dam	25	Present	N 2,221,238 E 6,908,695 SW¼ of NW¼ of Sec. 17, T16N, R11E
Dutch Flat Afterbay Dam	26	Present	N 2,206,167 E 6,889,146 NE¼ of NW¼ of Sec. 34, T16N, R10E
Rollins Dam	27	Present	N 2,177,136 E 6,858,710 NE¼ of SE¼ of Sec. 22, T15N, R9E
Bear River Canal	28	Present	N 2,176,486 E 6,858,460 SW'4 of SE'4 of Sec. 22, T15N, R9E
Halsey Afterbay Dam	29	Proposed ³	N 2,111,266 E 6,833,830 NE¼ of NE¼ of Sec. 26, T13N, R8E
Auburn Ravine I	30	Present	N 2,089,852 E 6,801,484 NE¼ of NE¼ of Sec. 14, T12N, R7E
Hemphill Canal	31	Present	N 2,089,387 E 6,774,459 NW¼ of NE¼ of Sec. 13, T12N, R6E
Combie Dam	32	Present	N 2,130,986 E 6,829,160 SW'4 of NW'4 of Sec. 2, T13N, R8E
Orr Creek Dam (Lower Gold Hill Canal)	33	Present	N 2,120,103 E 6,811,494 SW'4 of NE'4 of Sec. 18, T13N, R8E
Camp Far West Canal	34	Present	N 2,116,817 E 6,802,720 SW'4 of SW'4 of Sec. 13, T13N, R7E
Doty South Canal	35	Present	N 2,103,976 E 6,774,044 SW'4 of NE'4 of Sec. 36, T13N, R6E
Wolf-Hannaman Diversion Dam (Little Wolf Creek)	24	Proposed ⁴	N 2,142,355 E 6,789,364 NW¼ of NE¼ of Sec. 28, T14N, R7E
Deer Creek System	化型子 1000年 111日	· 多数的/图。** 1600000	
Cascade Canal	16	Present	N 2,236,488 E 6,887,061 SW'4 of NW'4 of Sec. 34, T17N, R10E
Scotts Flat Dam	17	Present	N 2,227,087 E 6,864,660 NE¼ of NE¼ of Sec. 11, T16N, R9E

¹ Coordinates are CCS, Zone 2, NAD 83 Datum. Township/Range descriptions are MDB&M.

² The BSC Diversion Dam and Fuller Dam are identified as existing facilities under Permit 13770, although not explicitly identified as points of rediversion. Division inspection reports conclude and recommend that these two points of rediversion be added to Permit 13770 as corrections to more accurately describe NID facilities.

³ Proposed to be added by Petition.

Wolf-Hannaman Diversion Dam (Little Wolf Creek) and Lower Scotts Flat Diversion Dam/D-S Canal (Deer Creek) are identified in Permit 13770 as points of rediversion. Licensing inspection reports conclude and recommend that the name and location descriptions for these points of rediversion be handled as corrections.

Point of Rediversion	Map No. 4365 & Map No. 5305 Index #	Present PORD or Proposed PORD	Description ¹ N 2,225,708 E 6,857,784 NW¼ of NE¼ of Sec. 10, T16N, R9E	
Lower Scotts Flat Diversion Dam (D-S Canal)	18	Proposed ⁴		
Tarr Canal	19	Present	N 2,185,964 E 6,826,440 SE¼ of SE¼ of Sec. 10, T15N, R8E	
Newtown Canal	20	Present	N 2,222,399 E 6,837,478 NW¼ of SE¼ of Sec. 12, T16N, R8E	
Tunnel Canal	21	Present	N 2,216,350 E 6,808,313 NW¼ of SW¼ of Sec. 18, T16N, R8E	
China/Union Canal	22	Present	N 2,206,453 E 6,782,949 SW¼ of NW¼ of Sec. 29, T16N, R7E	
Rattlesnake Diversion Dam	23	Present	N 2,189,825 E 6,835,383 NW¼ of NE¼ of Sec. 12, T15N, R8E	

As identified in the Environmental Information Form accompanying this Petition, the proposed addition of BSC Diversion Dam, Fuller Dam, Halsey Afterbay Dam, Wolf-Hannaman Diversion Dam, and Lower Scotts Flat Diversion Dam clarify and reflect existing NID operations and correctly identify the actual points of rediversion under Permit 13770. As identified on the footnotes to the table above, BSC Diversion Dam, Fuller Dam, Wolf-Hannaman Diversion Dam, and Lower Scotts Flat Diversion Dam are currently identified in Permit 13770 as components of the conveyance system; however, the name and location to the points of rediversion identified are not consistent with other water rights held by NID. NID proposes to correct the names, locations, and descriptions of these points of rediversion identified in Permit 13770. The diversion facilities at the aforementioned points of rediversion were constructed many years ago, prior to the enactment of CEQA. The addition or correction of the aforementioned points of rediversion will not change NID's current operations and no construction is proposed. In addition, the above points of rediversion identified as proposed are authorized under one or more of NID's existing water rights.

PLACE OF USE

Present and Proposed Places of Use

The present place of use covered by Permit 13770 includes Irrigation of 167,789 acres and includes Incidental Domestic and Recreational uses within the boundaries of NID and Jackson Meadows Reservoir as shown on NID Map No. 1020, dated December 24, 1940, on file with the Division.

The proposed place of use conforms the place of use shown on NID Map No. 1020 to include lands entitled to service pursuant to the Excelsior Railroad Commission Order No. 15926 governing service to the Excelsior Water and Power Company, dated 1926. As identified in the Division's Lower Division Licensing Inspection Reports, those areas not currently authorized in the place of use for Permit 13770 are areas that could be served by other water rights held by NID. However, as requested by Division staff, NID proposed to conform the existing place of use currently identified in Permit 13770 to conform to other water rights held by NID. No

increase in the net acreage identified in Permit 13770 is proposed. The proposed change involves conforming the gross place of use to the current NID Service Area. A portion of the Excelsior Railroad Commission lands are covered under other water rights held by NID; however, NID proposes to conform the place of use under Permit 13770 to include the Excelsior Railroad Commission lands and other boundary modifications, which are covered under other water rights held by NID, as recommended by Division staff. In addition, NID proposed to add several powerhouses to the authorized places of use for Permit 13770 in order to describe the location where water, otherwise being used for consumptive use, passes through the powerhouses as an Incidental Power use. No construction is proposed as a result of this Petition, as these powerhouses are existing facilities and are authorized under other water rights held by NID. As further described in the attached Environmental Information Form, NID is currently in the process of replacing the existing Combie North Powerhouse with a more efficient unit. This upgrade includes the addition of a new spillway from the powerhouse to the Bear River, approximately 150 feet downstream of Combie Dam, to generate electricity under NID's water rights for non-consumptive power use, during periods when water is, or would have otherwise spilled at Combie Dam. No additional modifications to the other powerhouses identified in this Petition are proposed. With the addition of these powerhouse facilities to NID's places of use for Permit 13770, and with the addition of Incidental Power as a purpose of use to Permit 13770, NID will continue to use its water and to operate its facilities consistent with historic practices. NID Map No. 5305, accompanying this Petition, illustrates the current place of use.

Specifically, the proposed place of use for Permit 13770 is described as follows:

Irrigation uses on 35,077 acres within the NID Service Area;

Municipal*, Industrial*, and Domestic* uses within the NID Service Area;

Recreation uses at Jackson Meadows Reservoir within Sections 17, 18, 19, 20, 28, 29, 30, and 32, T19N, R13E MDB&M;

Incidental Power* uses at the following powerhouses referenced by index # to NID's Map No. 4365, dated May 22, 1987, on file with the Division, shown on NID's Map No. 5305, accompanying this Petition, together with place of use descriptions:

^{*} Proposed to be added by Petition.

Powerhouse Name	Map No. 4365 & Map No. 5305 Index #	Description ¹
Bowman Powerhouse	36	NE1/4 of NW1/4 Sec. 8, T18N, R12E
Spaulding # 3 (RIM) Powerhouse	37	NE1/4 of SW1/4 Sec. 16, T17N, R12E
Deer Creek System		
Spaulding # 2 Powerhouse	39	NE ¹ / ₄ of SE ¹ / ₄ Sec. 20, T17N, R12E
Deer Creek Powerhouse	40	SE1/4 of NW1/4 Sec. 34, T17N, R10E
Scotts Flat Powerhouse	41	NE1/4 of NE1/4 Sec. 11, T16N, R9E
Bear River System		
Spaulding # 1 Powerhouse	38	NE ¹ / ₄ of SE ¹ / ₄ Sec. 20, T17N, R12E
Drum #1 Powerhouse	42	NE ¹ / ₄ of NW ¹ / ₄ Sec. 17, T16N, R11E
Drum # 2 Powerhouse	42	NE ¹ / ₄ of NW ¹ / ₄ Sec. 17, T16N, R11E
Dutch Flat # 1 Powerhouse	43 .	SE 1/4 of SE 1/4 Sec. 27, T16N, R10E
Dutch Flat # 2 Powerhouse	44	SE 1/4 of SE 1/4 Sec. 27, T16N, R10E
Chicago Park Powerhouse	45	NW 1/4 of SE 1/4 Sec. 6, T15N, R10E
Rollins Powerhouse	46	SE 1/4 of SE 1/4 Sec. 22, T15N, R9E
Combie North Powerhouse	48	SW 1/4 of NW 1/4 Sec. 2, T13N, R8E
Halsey Powerhouse	49	NW 1/4 of NW 1/4 Sec. 25, T13N, R8E
Wise #1 Powerhouse	50	NW 1/4 of SW 1/4 Sec. 16, T12N, R8E
Wise #2 Powerhouse	50	NW 1/4 of SW 1/4 Sec. 16, T12N, R8E

All of the above descriptions are based on the Mount Diablo Base and Meridian (MDB&M) and are shown on NID Map No. 5305, accompanying this Petition.

PURPOSE OF USE

The purposes of use presently authorized by Permit 13770 include Irrigation, Incidental Domestic, and Recreation. Consistent with NID's efforts to conform the purposes and places of use covered by its water rights to the Division's current definitions of use and its historic and continuing uses, NID proposes that the purpose of use under Permit 13770 include the following:

Irrigation, Municipal*, Industrial*, Domestic*, Recreation, and Incidental Power*.

GIVE REASON FOR PROPOSED CHANGE

These changes primarily reflect the need to conform Permit 13770 to the current purposes and places of use, and to make changes consistent with current definitions. During the Lower Division licensing process, changes or corrections to five (5) consumptive use Permits and five (5) non-consumptive use or power Permits were recommended/required by Division staff in order to conform these Permits to NID's current facilities and operations and to reflect the Division's currently used definitions and terminology. During the past seven years, NID staff

^{*} Proposed to be added by Petition.

and Division staff have identified the amounts and terms for licensing Permit 13770. NID is filing this Petition to (1) facilitate licensing of the Lower Division Permits, (2) accurately identify facilities where the permitted quantities are currently used, (3) conform the places of use and purposes of use with NID's other water rights, and (4) to include in the place of use lands that have historically been served pursuant to the Excelsior Railroad Commission Order No. 15926, dated 1926.

The points of rediversion that are proposed to be added to Permit 13770 by this Petition, and further identified in the attached Environmental Information Form, were constructed and in use prior to the enactment of CEQA. No construction is required as a result of this Petition; and no changes to NID operations will occur. The addition of these proposed facilities will clarify NID's current facilities and allow NID to continue to operate consistently with historic practices.

Municipal, Industrial, and Domestic are proposed to be added as purposes of use to Permit 13770. In addition, Incidental Power is proposed to be added as a purpose of use; and existing powerhouses are proposed to be added to the place of use under NID's consumptive use Permit 13770 to accommodate the dual use of water as it is conveyed through NID's facilities - consumptive use with power generation incidental thereto. The primary objective of NID is to provide a water supply for consumptive use. NID also holds water rights for power production, for those times when water used for power generation is in excess of its consumptive requirements. NID will also file Petitions to add Incidental Power and existing powerhouses to its consumptive water rights Permits 1481, 11626, 13772, and 5815. In addition, NID is proposing to add lands served pursuant to the Excelsior Railroad Commission Order No. 15926, dated 1926, to the place of use under Permit 13770; and to conform the NID Service Area of Map No. 1020 with other water rights held by NID, as recommended by Division staff.

OWNERSHIP AND ACCESS

No points of diversion are proposed to be added to Permit 13770. Access to the place of use for the delivery of water for consumptive use is by virtue of ownership of the conveyance system or as a condition of service to its customers in accordance with its rules and regulations. Access to the places of use of water for hydroelectric generation is obtained through its Federal Energy Regulatory Commission (FERC) License, or by virtue of ownership, or by virtue of a Special Use Permit issued by the United States Forest Service, or in the cases of access to PG&E powerhouses, by virtue of a written agreement between NID and PG&E.

RETURN FLOW

The addition of Incidental Power as a purpose of use and the aforementioned powerhouses to the places of use for Permit 13770 will not change NID's operations and no construction is proposed as a result of this Petition. The proposed addition of these powerhouses to Permit 13770 will clarify NID's existing facilities to conform with NID's other water rights. As previously identified, NID is currently replacing its existing Combie North Powerhouse. This upgrade will not affect the historic practice of conveying water through Combie North Powerhouse for Incidental Power generation; and therefore, there will be no change in the return flow as a result of the addition of this, or other powerhouse facilities to Permit 13770.

State of California State Water Resources Control Board

DIVISION OF WATER RIGHTS P.O. Box 2000, Sacramento, CA 95812-2000

P.O. Box 2000, Sacramento, CA 95812-2000 2009 APR Info: (916) 341-5300, FAX: (916) 341-5400, Web: http://www.waterrights.ca.gov

PETITION FOR EXTENSION OF TIME

WATER	USERS:

Applica	ation	5193	Permit <u>13770</u>
Water present in con	Resonated to	determing the pro	396 requires an applicant to exercise due diligence in developing a water supply for beneficial use. The State atrol Board (State Water Board), in considering requests for extension of time, will review the facts are whether there is good cause for granting an extension of time to complete the project. Where diligence oject is not fully substantiated, the State Water Board may set the matter for hearing to determine the base formal action relating to the permit. Formal action may involve:
1.	Revol	king the p	permit for failure to proceed with due diligence in completing the project.
2.	Issuin	g a licen	se for the amount of water heretofore placed to beneficial use under the terms of the permit.
3.	Granti	ing a reas	onable extension of time to complete construction work and/or full beneficial use of water.
			allowed in your permit within which to complete construction work and/or use of water has either e shortly.
Please	check	c below th	he action you wish taken on this permit.
	The	project h	as been abandoned and I request revocation of the permit.
\boxtimes	Full	use of w	Signature ater has been made, both as to amount and season, and I request license be issued.
		project is	Signature s not yet complete. I request the State Water Board's consideration of the following petition for an time.
			PETITION FOR EXTENSION OF TIME If START of construction has been delayed
Compl	lete ite	ems 1, 2,	and 3. NOT APPLICABLE. SEE ATTACHMENT.
1.	Wha	at has bee	n done since permit was issued toward commencing construction?
2.	Estin	mate date	construction work will begin.
3.	Reas	sons why	construction work was not begun within the time allowed by the permit.

Attachment to Petition for Extension of Time for Permit 13770 (Application 5193) held by Nevada Irrigation District

The purpose of this Petition for Extension of Time (Petition) is to facilitate the licensing process for Permit 13770. The time to complete full and beneficial use under Permit 13770 expired on December 1, 1985. Through the licensing process, 1986 was found to be the year of maximum irrigated acreage. Thus, this Petition is required to cover the use of water upon this maximum irrigated acreage during the interim period, when analysis and other required licensing work was being performed by the Division of Water Rights (Division) and Nevada Irrigation District (NID) staff. In addition, NID is filing a Petition for Change to NID's Permit 13770 to identify existing facilities where water is used and to conform the places of use and purposes of use with NID's other water rights.

NID has been working cooperatively with the Division since July 2002 to analyze the use of water and inspect the facilities associated with the following five (5) consumptive use Permits for determining whether licenses should be issued.

Permit	Application	
1481	1614	
11626	2652B	
13770	5193	
5815	8180	
13772	20017	

There are also five (5) associated Permits for power purposes, which are currently being reviewed and analyzed for potential licensing. Collectively, these ten (10) Permits and most of the associated facilities are referred to as the Lower Division. The Lower Division primarily encompasses NID's sources of water and facilities located downstream of Spaulding Reservoir. Permits 13770 and 5815 cover sources and facilities upstream of Spaulding Reservoir, but the storage and use of water is downstream of Spaulding Reservoir, so they were included with the Lower Division.

The purpose of this Petition is to facilitate the licensing process. All construction work is complete and no construction is proposed in connection with this Petition. NID has ongoing water conservation and water use efficiency programs to improve agricultural and urban water use. NID has adopted an Urban Water Management Plan and an Agriculture Water Management Plan which identifies currently implemented and planned water conservation projects and programs. Current water conservation measures within NID include, but are not limited to an ongoing maintenance program to gunite or pipe canal sections, volumetric flow metering at all service connections, and performing periodic leak detection audits on the treated water system. In addition, NID provides water conservation materials to urban and agriculture customers and promotes urban and agricultural water

Nevada Irrigation District Permit 13770 Attachment to Petition for Extension of Time

conservation management at the customer level. NID continues to engage in processes to proactively improve urban and agricultural water management and water conservation. In most cases, the quantity of water conserved for each project listed above is not known and would be difficult or impossible to estimate due to the complexity of the projects involved and the complexity of the water delivery system. Full and beneficial use has been made of the water appropriated under Permit 13770. Following the processing of this and other related Petitions, NID requests that a License be issued for Permit 13770.